

**ABSTRACT**

The invention relates to fuel cell system which can be used in a mobile manner with a fuel cell unit (1) in order to produce electric energy, and an adsorption accumulator (3) which is associated with a fuel cell unit (1). Said adsorption accumulator (3) is used to release heat and interacts in a thermal manner with a heat exchanger (2) which is arranged downstream from the fuel cell unit (1) in a cooling circuit (4, 5) associated with the fuel cell unit (1). The invention also relates to a method for operating said type of fuel cell system, especially during a cold start.